Simple Wordclouds of Four Medical Conditions

George Fisher

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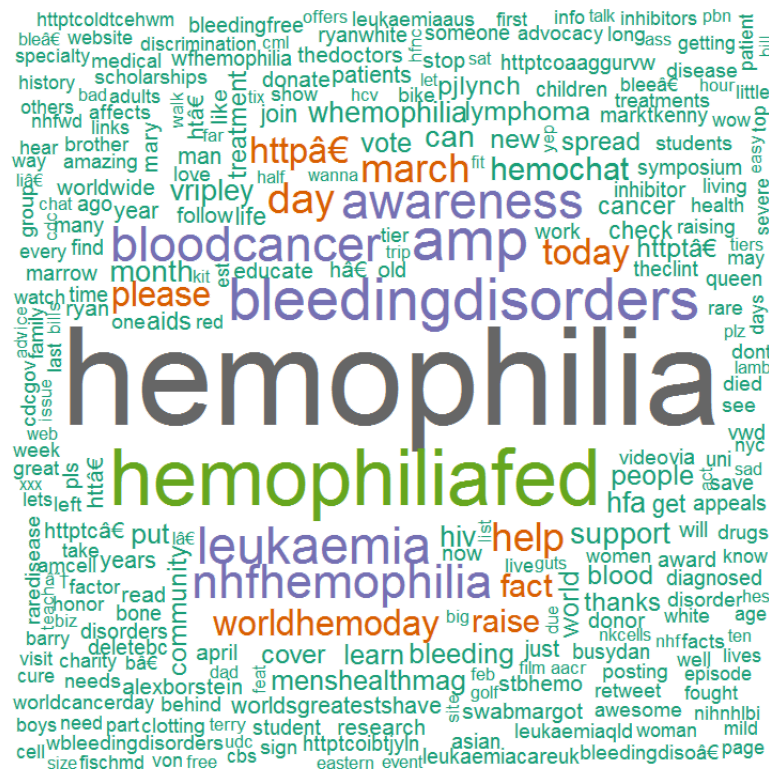- Programming Environment Details

Summary

Word clouds are an attractive way to see the frequency of words associated with a topic.

Here, we look at the word clouds for tweets about four medical conditions:
- Blood Disorders
- Cancer
- Cardiovascular Diseases
- Digestive Dsorders

The corpus was restricted to the first 10,000 tweets in the database for each condition and then further reduced to include only those that had been retweeted more than three times.

cancer bcsm breast bcsm breastcancer ancsm via anal crazyasscancer metastatic nocancerleftbehind awareness research abumrap adamslisa jodyms

sarcasticboob rut lower deadline pts speaking slimeball remember obviously decided special will losing lungcancerfaces dies httptcormnaxrqlp now ncicancerctrl ewald pcsm center alive drdonsdizon treatment media benefit moreand notes kaln fight httptcosskrwpx hpv misleading hopkinsmedicine resources birthday beat soul httptcophqcynp controversial share survivorship information keep chemo friend choice value great survivors thx help bill another cathyengmd happy girl morning say httptcoâ€ need jâ€ face chemobrainfog annieg dear centers logo andy month got hair dear big extends httptcohwansxwdv rsm read lisa disease beautiful self stales year like hcldr tomorrow panel right crcsm friends first adamslisa tonights rest three must activity behind abumrap false kellers keller finds tumors try social word small mets world aka stage gene excellent mbc six latest lcsm yoga gone please know suffer secoâ€ helps really please patient sxsw scan see hâ€ patients spread texas brain women still cant cancers ibc lives sentinel ascopost new hiv till day early part twitter lizszabo left doc risk ptsd look metastatic anal gift join better bone today drattai many rare crazyasscancer amp voice study ais subatomic words days twitter life going nostigma fade survivor find pioneered old thank cool one man saving httpâ€ good speak blog health youre mtmdphd community hcsm asco doctor cue retweet care raiseliz drbeckerschutte hairloss cancergeek abcdiagnosis running cells isnt key jail test danafarber using mdandersonnews fatigue million living wife emesisadd coffeemommy judecallirgos get take emmakeller grief reduction tonight clinic era colorectalanal lord lets mutations ashamed shit herpositive abreastcancer doublekellering died inflammation lâ€ local httptcolztkvc jbbc nancyspoint video advocacy bcans bcsmâ€ osuccjames tip reconstruction httptcojiwozds monday elaineschattner emma httptcoetebggkzh abt piece info bcsmchat exercise aâ€ ihatebreastcanc jadafa

amp chd afib cardiomyopathy heart sienna sarahhancoxuk awareness can new neuroblastoma atrialfibrillation fibrillation treatment support congenital httptâ€ httpâ€ risk week stroke

questions often donate fatigue aris todaythechf really mri stoptheclot bar publiccheck improve every kaepernick healthy anticoagulant visit hemorrhagic class bloodclot rarecancer guideline back gene facts just golf symptoms camptaylor palpitations sts history reduced cardiachurt lifestyle real httptcâ€ rather find hâ€ blog dvt loss april niece make hrs use link best shortness cite better patients defects mlh will old follow birth aged year httptâ€ câ€ dilated httptcoâ€ basiccar fact raise disease atrial children escardio sent httpâ€ pls term raaft first strokes chest feel fvl study ailment fighting one care ablation isla cause dad living plz tests whatsapp live discomfort clot alert coach fund free prashsanders join sat oral key warfarin dizziness brand march webinar day brave kids actor fighting cardiomyopathy fightingcancer defect health please babies spread americanheart jamacurrent prevention quality story people emmaswindell next show blood like almost clevelandclinic chdaware month healthâ€ treatments used may clinical samaritanspurse heres battle good post aspirin âs everydayhealth lots fun anticoagulants following retweet httptcoeocpdugach improvement

Credits and Description

```
# =============================================================================
# Title:         Machine_Learning_Wordcloud.R
# Author:        Gaston Sanchez
# Date:          May, 2012
#
# Modified by:   George Fisher
# Modified:      July 2014
#
# Description:   Simple wordclouds of four medical conditions
#
# License:       BSD Simplified License
#                http://www.opensource.org/license/BSD-3-Clause
#                Copyright (c) 2012, Gaston Sanchez
#                All rights reserved
# =============================================================================
```

Programming Environment Details

```
## R version 3.1.0 (2014-04-10)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
##
## locale:
## [1] LC_COLLATE=English_United States.1252
## [2] LC_CTYPE=English_United States.1252
## [3] LC_MONETARY=English_United States.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United States.1252
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## other attached packages:
## [1] ggplot2_1.0.0      wordcloud_2.5      RColorBrewer_1.0-5
## [4] tm_0.6             NLP_0.1-3
##
## loaded via a namespace (and not attached):
##  [1] colorspace_1.2-4 digest_0.6.4     evaluate_0.5.5   formatR_0.10
##  [5] grid_3.1.0       gtable_0.1.2     htmltools_0.2.4  knitr_1.6
##  [9] MASS_7.3-33      munsell_0.4.2    parallel_3.1.0   plyr_1.8.1
## [13] proto_0.3-10     Rcpp_0.11.2      reshape2_1.4     rmarkdown_0.2.46
## [17] scales_0.2.4     slam_0.1-32      stringr_0.6.2    tools_3.1.0
## [21] yaml_2.1.13
```